## **CLAIMS**

## What is claimed is:

3	1.	A well completion float shoe/collar tool comprising:
4		an outer tubular member and an inner tubular member, said outer tubular
5		member having both upwardly facing and downwardly facing fluid jet openings, said
6		upwardly facing fluid jet openings being initially closed by said inner member during
7		casing string run in;
8		said inner tubular member having a bore there through initially open to fluid
9,0		flow and permitting fluid flow to said downwardly facing fluid jet openings; and
10		means for causing longitudinal movement of said
10 11 11 11 11 11 11 11 11 11 11 11 11 1		inner member with respect to said outer member, said movement causing said
		downwardly facing jets to close and said upwardly facing jets to open.
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14	2.	A well completion float shoe/collar tool comprising:
15.		an inner tubular member and an outer tubular member, said outer tubular
16		member having both upwardly and downwardly facing fluid jet openings therein; and
17		means for selectively closing one or the other of said fluid jet openings.
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19	3.	The apparatus of claim 2 wherein said means for selectively closing comprises means for
20		causing relative motion of said inner member with respect to said outer member.
21	4/	The apparatus of claim 3 wherein said relative motion comprises longitudinal relative motion.
	"WE	L COMPLETION CONVERTIBLE ELOAT/SHOE COLLAR"

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SUMB)	5.	The apparatus of claim 4 wherein said longitudinal relative motion is caused by means of
3		obturating an internal passage of said inner member.
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5	6.	The apparatus of claim 5 wherein said obturating means includes a ball pumped down under
6		fluid pressure from the surface of the earth to said tool.
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8	7.	The apparatus of claim 1 and further including:
11		valve means, activated upon said movement, to prevent fluid from re-entering
10		said outer and inner tubular members between pumping pressure strokes.
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12	8.	The apparatus of claim 7 wherein said valve means comprises one or more one way flow
13		check valves.
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15	9.	The apparatus of claim 8 wherein said check valves comprise flapper type valves.
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17	10.	The apparatus of claim 9 wherein said flapper valves are held in their open position during
18		casing run in.
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"WELL COMPLETION CONVERTIBLE FLOAT/SHOE COLLAR"

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